

Appl. No. 10/020,809
Amdt. dated June 3, 2005
Reply to Office action of March 3, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A rack mount computer server, comprising:
a central processing unit ("CPU");
a system memory coupled to the CPU;
a server management device coupled through a bus to the CPU that is configured to control server management architecture;
a front network port located at a front surface of the server;
a rear network port located at a rear surface of the server; and
a switch;

wherein a communications link is established between the server management device and a remote console through ~~[[a]] the front network port located at a front surface of the server or through [[a]] the rear network port located at a rear surface of the computer server; and~~

wherein said switch establishes said communications link between said rear network port and said server management device when no remote console is connected to said front network port, but upon connecting the remote console to said front network port, said switch automatically establishes said communications link between said front network port and said server management device.

2. (Canceled).
3. (Currently amended) The server of claim ~~[[2]]~~ 1 wherein access to the server management device is provided through an RJ-45 receptacle located at the front and at the rear of the server.

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4. (Currently amended) The server of claim ~~[[2]]~~ 1 further comprising:
a data port in the front of the server;
wherein the data port provides access to server operating system debug routines.
5. (Original) The server of claim 4 wherein the data port is an RS-232 serial data port.
6. (Original) The server of claim 4 wherein the front network port that provides access to the server management device and the data port that provides access to the operating system debug routines are provided by separate connectors located at the front of the server.
7. (Original) The server of claim 4 wherein the front network port that provides access to the server management device and the data port that provides access to the operating system debug routines are provided by an adapter that connects to a single connector located at the front of the server.
8. (Canceled).
9. (Canceled).
10. (Canceled).
11. (Currently amended) A method of diagnosing a rack mount server while the server is installed in a rack, comprising:
establishing connectivity between a rear network port at the rear of the server and a server management device;
connecting an external computer to the server using a debug-front port located on the user-accessible faceplate at the front the server; and

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based on the external computer being connected to the front port, automatically disconnecting said rear network port from said server management device and re-establishing connectivity between said server management device and said front port and

~~executing server operating system debug algorithms using the external computer.~~

12. (Canceled).

13. (Canceled).

14. (Canceled).

15. (Canceled).

16. (Canceled).

17. (Canceled).

18. (Currently amended) A rack mount computer server comprising ~~a central processing unit ("CPU") and a system memory coupled to the CPU, and further comprising:~~

a management device; a server management means; and
means for automatically establishing either connectivity between the server management device and the rear network port if the external computer is not connected to the front port or establishing connectivity between the server management device and the front port if the external computer is connected to the front port.

~~wherein a data link is established between the server management means and an external diagnostic computer through a front port means located at a front~~

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~~surface of the server or through a rear port means located at a rear surface of the computer server.~~

19. (Canceled).

20. (Canceled).

21. (Currently amended) The server of claim 19, wherein the front port means further permits the external diagnostic computer to access debug information from the server an operating system.

22. (Currently amended) The server of claim 21, wherein the front port means comprises a network data connector and a serial data connector.